

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

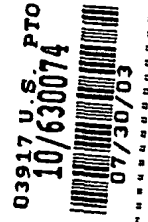
NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of David R. Milich and Jean-Noel Billaud for Human Hepatitis B Virus Core Proteins As Vaccine Platforms And Methods Of Use Thereof.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date July 30, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 329 476 681 US addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Karen Webber



1. **Type Of Application**  
This new application is for a(n)  
☒ Original (nonprovisional)
2. **Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**  
111 Pages of Specification  
4 Pages of Claims  
1 Page of Abstract  
42 Sheets of Formal Drawings
3. **Declaration**  
☒ Enclosed  
☒ Unexecuted.
4. **Inventorship Statement**  
The inventorship for all the claims in this application is:  
☒ the same
5. **Language**  
☒ English
6. **Assignment**  
☒ An assignment of the invention to Vaccine Research Institute of San Diego is attached.  
☒ Form PTO-1595 will follow.
7. **Fee Calculation (37 C.F.R. § 1.16)**  
☒ Regular application

CLAIMS AS FILED

Number Filed	Number Extra	Rate	Basic Fee - \$750.00 (37 C.F.R. § 1.16(a))
Total Claims (37 C.F.R. § 1.16(c))	30 - 20 =	10 × \$18.00 =	\$180.00
Independent Claims (37 C.F.R. § 1.16(b))	4 - 3 =	1 × \$84.00 =	\$84.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))	+ \$280.00 =		\$0.00
Filing Fee Calculation			\$1014.00

8. **Small Entity Statement(s)**  
☒ Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.  
Filing Fee Calculation (50% of above) \$507.00

9. Fee Payment Being Made At This Time

☒ Enclosed

☒ basic filing fee

\$507.00

Total Fees Enclosed

\$507.00

10. Method of Payment of Fees

☒ Check in the amount of \$507.00

11. Authorization To Charge Additional Fees and Credit Overpayment

☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

12. Power of Attorney by Assignee

☒ Enclosed

13. Return Receipt Postcard

☒ Enclosed

Dated: July 30, 2003



Christine A. Lekutis  
Registration No.: 51,934

Please direct future inquiries to:

Maha A. Hamdan  
Registration No.: 43,655

MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105  
415/904-6500

☒ Statement Where No Further Pages Added

☒ This transmittal ends with this page.